WHAT IS CLAIMED:

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 An apparatus for centrifuging blood or plasma to separate a component therefrom without degradation of protein contained in the blood or protein, comprising:

a container for holding the blood or plasma during the centrifuging;

a means for rotating the container;

a heat-emitting device provided opposite the container for radiating the blood or plasma in the container to increase the temperature of the blood or plasma; and

a filter disposed between the heat-emitting device and the container for filtering the radiation emitted from the heat-emitting device to remove substantially all radiation therefrom having a wavelength in the range of from 190 to 400 nm.

- 2. The apparatus according to Claim 1, wherein the container comprises a cylindrical member, a piston diplaceable therein, a top wall and a tubular piston rod extending through the top wall, the piston rod dividing the cylindrical member into a first chamber located above the piston between the piston and the top wall, and a second chamber positioned below the piston.
- 3. The apparatus according to Claim 2, further comprising a piston activating mechanism connected to the piston for moving the piston from a first position in the cylindrical member to a second position in the cylindrical member.

- 4. The apparatus according to Claim 1, wherein the means for rotating the container comprises a supporting turntable with means for releasably retaining the container, and a motor coupled to the supporting turntable, the motor rotating the supporting turntable and the container about a central axis thereof.
- 5. The apparatus according to Claim 1, wherein the heat-emitting device comprises a first heating source for emitting visible light substantially directed towards the container.
- The apparatus according to Claim 5, wherein the first heating source is a halogen bulb.
- 7. The apparatus according to Claim 5, further comprising a second heating source for emitting infrared radiation substantially directed towards the container.
- The apparatus according to Claim 7, wherein the second heating source comprises a metal heating plate.
- 9. The apparatus according to Claim 1, further comprising a first temperature sensor for detecting the temperature of air in an area around the container, a second temperature sensor for detecting the temperature of a surface of the container, and a control unit for controlling the heat-emitting device in response to the temperatures detected in the first and second temperature sensors.

10. A method for converting fibrinogen contained in a sample of blood or plasma to fibrin without degrading proteins contained in the sample, comprising the steps of:

heating a sample of blood or plasma to 36 to 37°C with radiation from a heat-emitting device;

filtering the radiation emitted by the heating-emitting device to remove substantially all radiation therefrom having a wavelength in the range of from about 190 to 400 nm; and

subjecting the sample to an enzyme for catalyzing the cleavage of fibrinopeptides A and/or B from fibrinogen contained in the sample of blood or plasma.

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- 11. The method according to Claim 10, further comprising the step of centrifuging the sample of blood or plasma while heating the sample and filtering the radiation.
- 12. The method according to Claim 11, wherein the centrifuging is conducted at 500 to 2500 RPM.
- The method according to Claim 12, wherein the centrifuging is conducted at 1000 RPM.

- 14. The method according to Claim 10, wherein the sample of blood or plasma is heated to about 37°C.
- 15. The method according to Claim 10, wherein radiation having a wavelength of about 190 to 400 nm is filtered from the radiation emitted by the heat-emitting device.
- 16. A method for centrifuging blood or plasma to separate a component of the blood or plasma without degradation of protein contained in the blood or plasma, comprising the steps of:

heating the blood or plasma to about 36 to 37 $^{\circ}$ C with radiation from a heat-emitting device;

filtering the radiation emitted from the heat-emitting device to remove substantially all radiation therefrom having a wavelength in the range of from 190 to 400 nm; and

centrifuging the blood or plasma.

- The method according to Claim 16, wherein the sample of blood or plasma is heated to about 36°C.
- 18. The method according to Claim 17, wherein radiation having a wavelength in the range of from about 190 to 400 nm is filtered from the radiation emitted by the heat-emitting device.